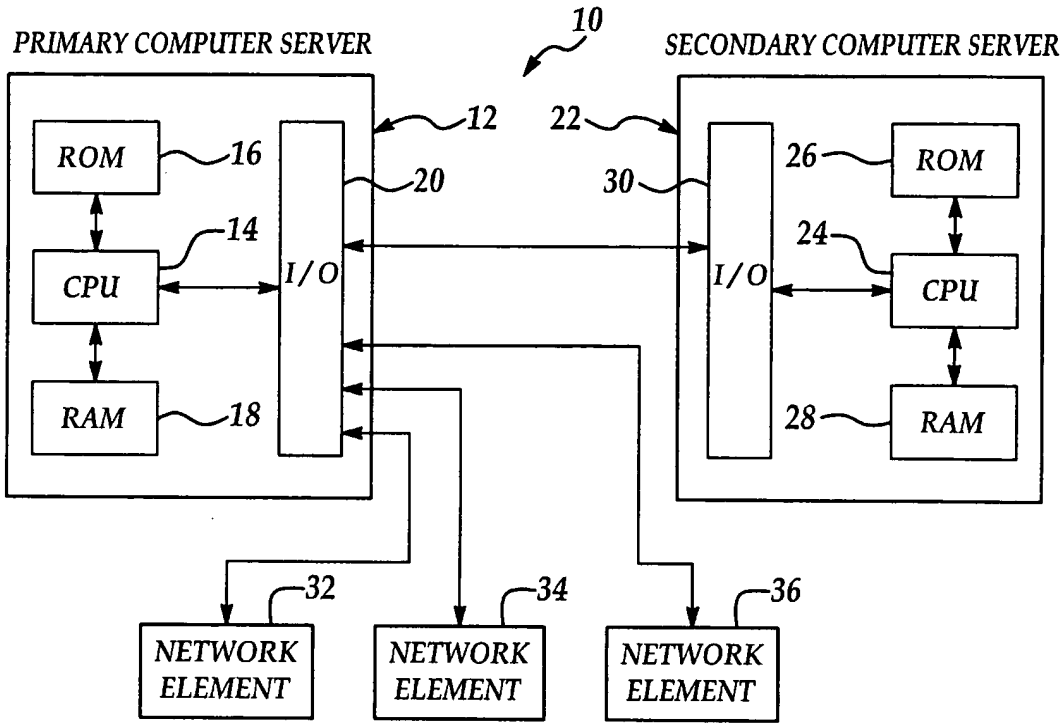

Figure 1

FIRST PLURALITY OF DATA SETS IN PRIMARY COMPUTER SERVER 12

ENTITY IDENTIFIER	ATTRIBUTES	FORMAT TYPE
E1	a	B1
	d	B2
	checksum1	Y3
E2	a	B1
	d	B2
	checksum2	Y3

42

ENTITY IDENTIFIER	ATTRIBUTES	FORMAT TYPE
E1	f	B1
	b	B2
	c	B3
E2	f	B1
	b	B2
	c	B3

44

SECOND PLURALITY OF DATA SETS IN SECONDARY COMPUTER SERVER 22

46

ENTITY IDENTIFIER	ATTRIBUTES	FORMAT TYPE
E1	a	A1
	c	A2
	checksum1	Y3
E2	a	A1
	c	A2
	checksum2	Y3

48 INTERMEDIATE CALULATIONS

ENTITY IDENTIFIER	ATTRIBUTES	FORMAT TYPE
E1	a	Y1
	c	Y2
	checksum1	Y3

Figure 2

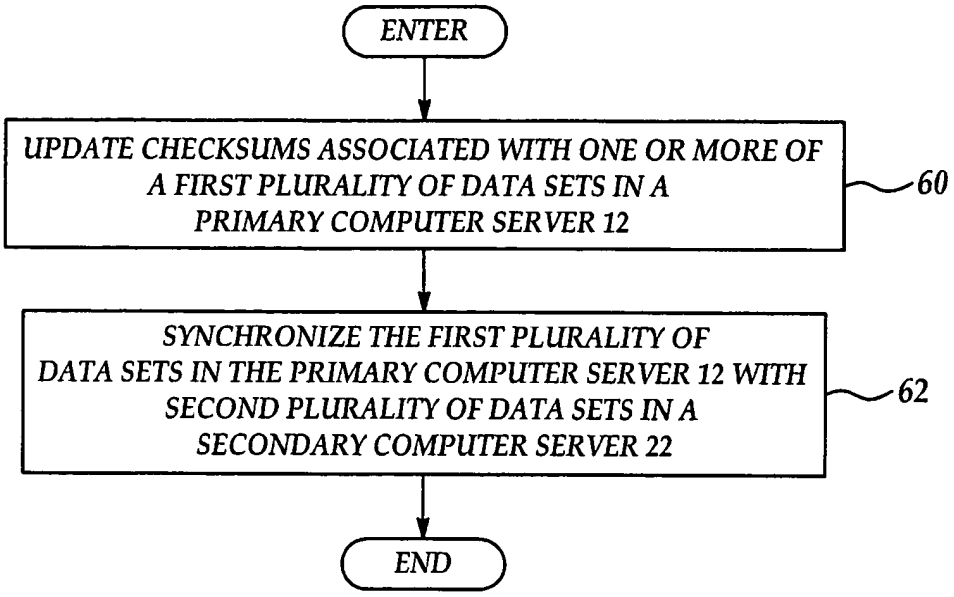

Figure 3A

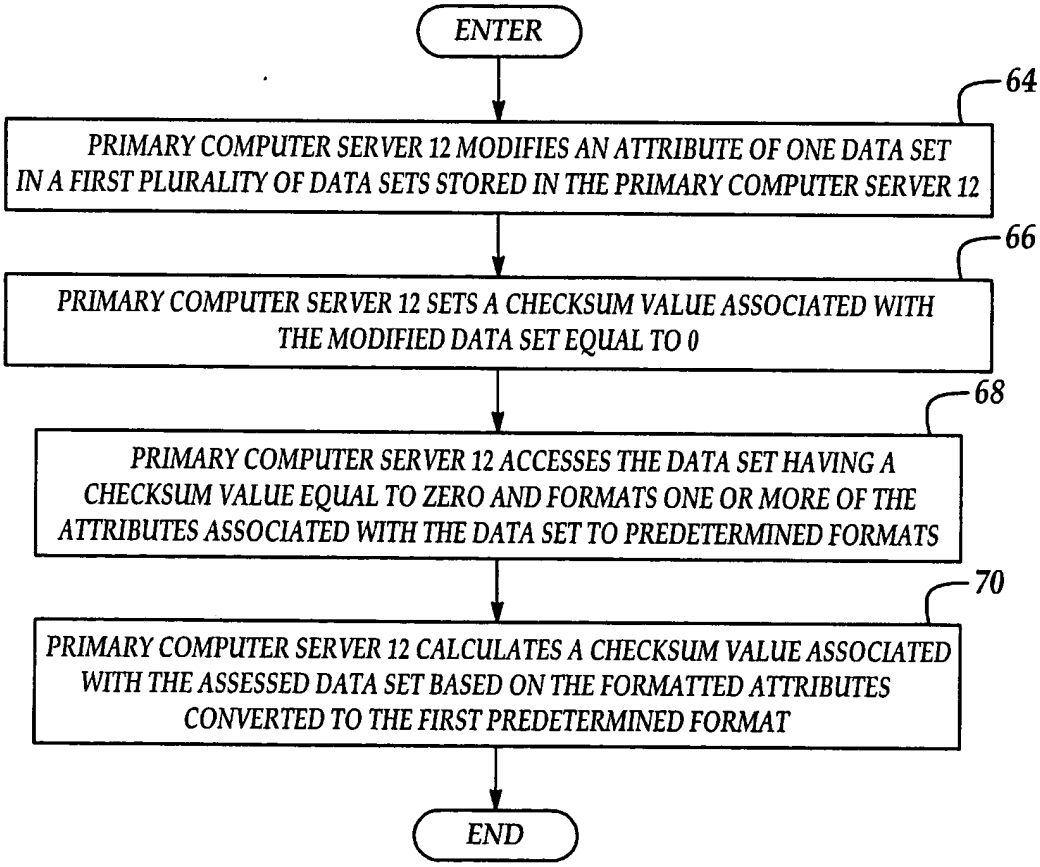

Figure 3B

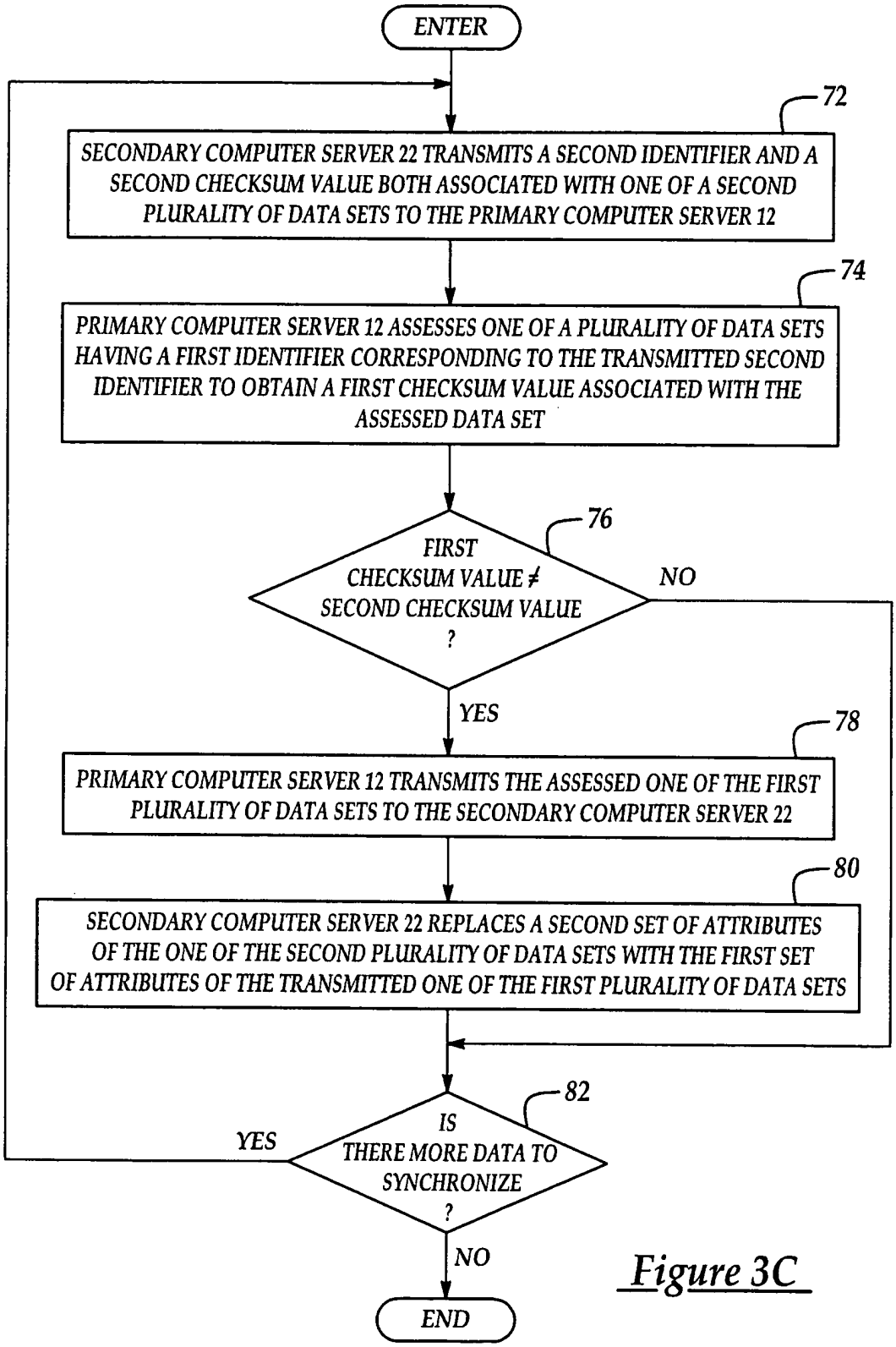
ENTER
72
SECONDARY COMPUTER SERVER 22 TRANSMITS A SECOND IDENTIFIER AND A SECOND CHECKSUM VALUE BOTH ASSOCIATED WITH ONE OF A SECOND PLURALITY OF DATA SETS TO THE PRIMARY COMPUTER SERVER 12
74
PRIMARY COMPUTER SERVER 12 ASSESSES ONE OF A PLURALITY OF DATA SETS HAVING A FIRST IDENTIFIER CORRESPONDING TO THE TRANSMITTED SECOND IDENTIFIER TO OBTAIN A FIRST CHECKSUM VALUE ASSOCIATED WITH THE ASSESSED DATA SET
76
FIRST CHECKSUM VALUE ≠ SECOND CHECKSUM VALUE ?
NO
YES
78
PRIMARY COMPUTER SERVER 12 TRANSMITS THE ASSESSED ONE OF THE FIRST PLURALITY OF DATA SETS TO THE SECONDARY COMPUTER SERVER 22
80
SECONDARY COMPUTER SERVER 22 REPLACES A SECOND SET OF ATTRIBUTES OF THE ONE OF THE SECOND PLURALITY OF DATA SETS WITH THE FIRST SET OF ATTRIBUTES OF THE TRANSMITTED ONE OF THE FIRST PLURALITY OF DATA SETS
82
IS THERE MORE DATA TO SYNCHRONIZE ?
YES
NO
END

Figure 3C